

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/00080

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E05B47/00 E05B65/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B G07C E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6 218 939 B1 (PEPER HENDRIK) 17 April 2001 (2001-04-17) | 1,3-5 |
| Y | column 1, line 37 - line 42 column 3, line 52 - line 55; figures 1,2 | 2 |
| Y | DE 196 21 909 A (KOHNE MICHAEL) 11 December 1997 (1997-12-11) | 2 |
| A | column 5, line 11 - column 6, line 45; figure 2 | 1 |
| X | EP 0 589 158 A (BAYERISCHE MOTOREN WERKE AG) 30 March 1994 (1994-03-30) | 1 |
| | column 4, line 46 - line 50; figure 1 | |
| A | WO 01 52517 A (SATS SAFE MLS AB ; BONNENFANT BJOERN DE (SE)) 19 July 2001 (2001-07-19) | 1 |
| | the whole document | |

-/-

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

15 May 2003

Date of mailing of the international search report

22/05/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | US 5 680 119 A (MAGLIARI GARY ET AL) 21 October 1997 (1997-10-21) column 3, line 9 -column 4, line 58; figure 1 column 6, line 30 -column 7, line 39; figures 4,5 --- | 1,2 |
| A | US 5 337 043 A (GOKCEBAY ASIL T) 9 August 1994 (1994-08-09) column 8, line 18 - line 45; figures 3,7 ----- | 1-3 |

INTERNATIONAL SEARCH REPORT

li. ation on patent family members

Internat Application No

PCT/GB 03/00080

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|---|----|---------------------|------|----------------------------|--|---------------------|
| US 6218939 | B1 | 17-04-2001 | DE | 29904141 U1 | | 27-07-2000 |
| | | | CN | 1273317 A | | 15-11-2000 |
| | | | ES | 1045107 U1 | | 01-07-2000 |
| DE 19621909 | A | 11-12-1997 | DE | 19621909 A1 | | 11-12-1997 |
| EP 0589158 | A | 30-03-1994 | DE | 4228233 A1 | | 03-03-1994 |
| | | | DE | 4240013 A1 | | 01-06-1994 |
| | | | DE | 59308061 D1 | | 05-03-1998 |
| | | | EP | 0589158 A1 | | 30-03-1994 |
| WO 0152517 | A | 19-07-2001 | AU | 2719601 A | | 24-07-2001 |
| | | | EP | 1266517 A1 | | 18-12-2002 |
| | | | WO | 0152517 A1 | | 19-07-2001 |
| US 5680119 | A | 21-10-1997 | NONE | | | |
| US 5337043 | A | 09-08-1994 | US | 5245329 A | | 14-09-1993 |